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SHAFT SEALING STRUCTURE FOR VACUUM PUMP

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ABSTRACT

PROBLEM TO BE SOLVED: To provide **shaft sealing** structure achieving the long service life of a **lip seal** while good **sealing** performance is kept in a vacuum pump.

SOLUTION: **Lip seals** 44, 44A are arranged on the peripheral surfaces of rotation **shafts** 19, 20 locating between radial **bearings** 37, 38 and rotors 27, 32. Rubber **lip** rings 48 of the **lip seals** 44, 44A are arranged on the gear housing 331 side than a ring case 45. Fluororesin **lip** rings 49 of the **lip seals** 44, 44A are arranged on the pump chamber 43 side than the ring case 45. Lubricating oil within the gear housing 331 lubricates the rubber **lip** rings 48 of the **lip seals** 44, 44A.

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